

DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY

(Under 37 CFR § 1.63; includes reference to PCT International Applications)

WHITMAN BREED ABBOTT & MORGAN LLP
File No.: KM64738-30 (formerly 370077-3830)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention ENTITLED: **PROCESS FOR PRODUCING SINGLE WALL NANOTUBES USING UNSUPPORTED METAL CATALYSTS AND SINGLE WALL NANOTUBES PRODUCED ACCORDING TO THIS METHOD**, the specification of which is attached hereto X was filed on August 4, 1997 as X United States PCT Application No. 08/910,495, with amendments through (if applicable, give details).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT International application(s) designating at least one country other than the United State of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT International applications designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) on which priority is claimed:

Prior Foreign/PCT Application(s) [list additional applications on separate page]:

<u>Country (or PCT)</u>	<u>Application Number:</u>	<u>Filed (Day/Month/Year)</u>	<u>Priority Claimed:</u>	
			<u>Yes</u>	<u>No</u>

I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. (or U.S.-designating PCT) Application(s) [list additional applications on separate page]:

<u>U.S. Serial No.:</u>	<u>Filed (Day/Month/Year)</u>	<u>PCT Application No.</u>	<u>Status (patented, pending, abandoned)</u>
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DECLARATION FOR PATENT APPLICATION
AND POWER OF ATTORNEY (Under 37 CFR § 1.63)

WBAM Docket No. KM64738-30 (formerly 370077-3830)

I hereby appoint Barry Evans, Registration No. 22,802, and Whitman Breed Abbott & Morgan, or their duly appointed associate, my attorneys, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to file continuation and divisional applications thereof, to receive the Patent, and to transact all business in the Patent and Trademark Office and in the Courts in connection therewith, and specify that all communications about the application are to be directed to the following correspondence address:

Barry Evans, Esq.
c/o WHITMAN BREED ABBOTT & MORGAN LLP
200 Park Avenue
New York, NY 10166

Direct all telephone calls to:
(212) 351-3000
to the attention of:
Barry Evans

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

INVENTOR(S):

Signature:

David Moy

Date:

2/18/98

Full name of sole or first inventor: David Moy
Residence: 21 Edward Drive, Winchester, Massachusetts 01890
Citizenship: United States of America

Signature:

Asif Chishti

Date:

2/18/98

Full name of sole or first inventor: Asif Chishti
Residence: 1251 Pawtucket Boulevard #1, Lowell, Massachusetts 01852
Citizenship: United States of America

Post Office Address(es) of inventors [if different from residence]:

NOTE: In order to qualify for reduced fees available to Small Entities, each inventor and any other individual or entity having rights to the invention must also sign an appropriate separate "Verified Statement (Declaration) Claiming [or Supporting a Claim by Another for] Small Entity Status" form [e.g. for Independent Inventor, Small Business Concern, Nonprofit Organization, Individual Non-Inventor].

Applicant or Patentee: Moy et al.

WHITMAN BREED ABBOTT & MORGAN
LLP

Serial or Patent No.: 08/910,495

File No.: KM64738-30
(formerly 370077-3830)

Filed or Issued: August 4, 1997

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For: **PROCESS FOR PRODUCING SINGLE WALL NANOTUBES USING UNSUPPORTED METAL CATALYSTS AND SINGLE WALL NANOTUBES PRODUCED ACCORDING TO THIS METHOD**

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(c)) - SMALL BUSINESS CONCERN

I hereby declare that I am

 the owner of the small business concern identified below:

 x an official of the small business concern empowered to act on
behalf of the concern identified below:

NAME OF CONCERN

Hyperion Catalysis International, Inc.

ADDRESS OF CONCERN

38 Smith Place, Cambridge, Massachusetts 02138

I hereby declare that the above-identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled **PROCESS FOR PRODUCING SINGLE WALL NANOTUBES USING UNSUPPORTED METAL CATALYSTS AND SINGLE WALL NANOTUBES PRODUCED ACCORDING TO THIS METHOD**, by inventor(s) David Moy and Asif Chishti described in

 the specification filed herewith.

 x application serial no. 08/910,495, filed August 4, 1997.

 patent no. , issued .

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

WHITMAN BREED ABBOTT & MORGAN
LLP

File No.: KM64738-30
(formerly 370077-3830)

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For: **PROCESS FOR PRODUCING SINGLE WALL NANOTUBES USING UNSUPPORTED METAL CATALYSTS AND SINGLE WALL NANOTUBES PRODUCED ACCORDING TO THIS METHOD**

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities (37 CFR 1.27).

[illegible]

Applicant or Patentee: Moy et al.

WHITMAN BREED ABBOTT & MORGAN
LLP

Serial or Patent No.: 08/910,495

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(formerly 370077-3830)

Filed or Issued: August 4, 1997

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For: **PROCESS FOR PRODUCING SINGLE WALL NANOTUBES USING UNSUPPORTED METAL
CATALYSTS AND SINGLE WALL NANOTUBES PRODUCED ACCORDING TO THIS METHOD**

FULL NAME _____

ADDRESS _____

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

FULL NAME _____

ADDRESS _____

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

FULL NAME _____

ADDRESS _____

☐ INDIVIDUAL ☐ SMALL BUSINESS CONCERN ☐ NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Stephen O. Friend

TITLE OF PERSON
(if other than owner) Vice President

ADDRESS OF PERSON SIGNING 38 Smith Place, Cambridge, MA 02138

SIGNATURE  DATE 02/20/98

Whitman Breed Abbott & Morgan LLP
File No.: KM64738-30 (formerly 370077-3830)
Serial No.: 08/910,495
Filing Date: August 4, 1997

ASSIGNMENT

We, (1) David Moy, and (2) Asif Chishti, who reside respectively at: (1) 21 Edward Drive, Winchester, MA 01839, (2) 1251 Pawtucket Boulevard #1, Lowell, Massachusetts 01852, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled: **PROCESS FOR PRODUCING SINGLE WALL NANOTUBES USING UNSUPPORTED METAL CATALYSTS AND SINGLE WALL NANOTUBES PRODUCED ACCORDING TO THIS METHOD**, which application was executed by us

and **HYPERION CATALYSIS INTERNATIONAL, INC.**, whose address is 38 Smith Place Cambridge, Massachusetts 02138, and which, together with its successors and assigns is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

Now, therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us or our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including

Variable	Mean		SD		t		p	
	Control	Case	Control	Case	Control	Case	Control	Case
Age	10.5	10.5	0.5	0.5	0.0	0.0	0.999	0.999
Gender	50	50	0	0	0.0	0.0	0.999	0.999
Height	140	140	10	10	0.0	0.0	0.999	0.999
Weight	30	30	5	5	0.0	0.0	0.999	0.999
Handedness	50	50	0	0	0.0	0.0	0.999	0.999
Family history	50	50	0	0	0.0	0.0	0.999	0.999
Education	10	10	0	0	0.0	0.0	0.999	0.999
Occupation	10	10	0	0	0.0	0.0	0.999	0.999
Marital status	50	50	0	0	0.0	0.0	0.999	0.999
Religion	50	50	0	0	0.0	0.0	0.999	0.999
Income	10	10	0	0	0.0	0.0	0.999	0.999
Health status	50	50	0	0	0.0	0.0	0.999	0.999
Smoking status	50	50	0	0	0.0	0.0	0.999	0.999
Alcohol consumption	50	50	0	0	0.0	0.0	0.999	0.999
Exercise	50	50	0	0	0.0	0.0	0.999	0.999
Stress	50	50	0	0	0.0	0.0	0.999	0.999
Depression	50	50	0	0	0.0	0.0	0.999	0.999
Anxiety	50	50	0	0	0.0	0.0	0.999	0.999
Sleep	50	50	0	0	0.0	0.0	0.999	0.999
Appetite	50	50	0	0	0.0	0.0	0.999	0.999
Energy	50	50	0	0	0.0	0.0	0.999	0.999
Mood	50	50	0	0	0.0	0.0	0.999	0.999
Concentration	50	50	0	0	0.0	0.0	0.999	0.999
Memory	50	50	0	0	0.0	0.0	0.999	0.999
Attention	50	50	0	0	0.0	0.0	0.999	0.999
Perception	50	50	0	0	0.0	0.0	0.999	0.999
Emotion	50	50	0	0	0.0	0.0	0.999	0.999
Behavior	50	50	0	0	0.0	0.0	0.999	0.999
Thought	50	50	0	0	0.0	0.0	0.999	0.999
Feeling	50	50	0	0	0.0	0.0	0.999	0.999
Belief	50	50	0	0	0.0	0.0	0.999	0.999
Attitude	50	50	0	0	0.0	0.0	0.999	0.999
Values	50	50	0	0	0.0	0.0	0.999	0.999
Goals	50	50	0	0	0.0	0.0	0.999	0.999
Interests	50	50	0	0	0.0	0.0	0.999	0.999
Skills	50	50	0	0	0.0	0.0	0.999	0.999
Abilities	50	50	0	0	0.0	0.0	0.999	0.999
Personality	50	50	0	0	0.0	0.0	0.999	0.999
Character	50	50	0	0	0.0	0.0	0.999	0.999
Temperament	50	50	0	0	0.0	0.0	0.999	0.999
Manners	50	50	0	0	0.0	0.0	0.999	0.999
Customs	50	50	0	0	0.0	0.0	0.999	0.999
Traditions	50	50	0	0	0.0	0.0	0.999	0.999
Beliefs	50	50	0	0	0.0	0.0	0.999	0.999
Opinions	50	50	0	0	0.0	0.0	0.999	0.999
Views	50	50	0	0	0.0	0.0	0.999	0.999
Standards	50	50	0	0	0.0	0		

David Moy


Asif Chishti